

INTRODUCTION

The Edwards-Trinity aquifer system and contiguous hydraulically connected units (fig. 1) are being studied as a part of the regional aquifer system study in central Texas. The Edwards-Trinity aquifer system is a large, complex, and heterogeneous aquifer system that underlies about 40,000 mi² in west-central Texas. The aquifer system is composed of several geologic units, including the Edwards, Trinity, and Glasscock formations. The Edwards-Trinity aquifer system is a major source of water for the region, and its study is important for understanding the water resources of the area.

WITHDRAWALS

The information comprising mean withdrawal rates for irrigation, public supply, industrial, livestock, and domestic use is presented in this report. The data were obtained from the Texas Water Development Board (TWDB) and the Texas Water Development Board's (TWDB) records. The data were obtained from the TWDB's records for the years 1974 through 1977. The data were obtained from the TWDB's records for the years 1974 through 1977. The data were obtained from the TWDB's records for the years 1974 through 1977.

SELECTED REFERENCES

- Bull, P.W., 1986, *Planning report for the Edwards-Trinity Regional Aquifer System Analysis in central Texas*, Southern Oklahoma and southern Arkansas, U.S. Geological Survey, Water-Resources Investigations Report 86-4218, 1 p.
- Kennedy, E.L., 1980, *Preparation, estimation, and base flow in west-central Texas*, December 1974 through March 1977, U.S. Geological Survey, Water-Resources Investigations Report 80-4218, 1 p.
- Solley, V.B., Mark, C.F., and Pinner, R.H., 1988, *Estimated use of water in the United States in 1985*, U.S. Geological Survey Circular 104, 18 p.
- Texas Water Development Board, 1988, *Water for Texas—A comprehensive plan for the future*, Texas Water Development Board, 1988, 104 p.
- Texas Water Development Board, 1988, *Water for Texas—A comprehensive plan for the future*, Texas Water Development Board, 1988, 104 p.

CONVERSION FACTORS

Multiplicity	By	To obtain
acre	4,840	square foot (ft ²)
acre	4,840	square meter (m ²)
acre	4,840	square mile (mi ²)
acre	4,840	square kilometer (km ²)
acre	4,840	square foot (ft ²)
acre	4,840	square meter (m ²)
acre	4,840	square mile (mi ²)
acre	4,840	square kilometer (km ²)
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acre	4,840	square meter (m ²)
acre	4,840	square mile (mi ²)
acre	4,840	square kilometer (km ²)

Some water relations in this report are as follows:
1 cubic foot = 7.48 gallons
1 acre-foot = 43,560 cubic feet
1 acre-foot = 325,851 gallons

Table 1.—Withdrawals from the Edwards-Trinity aquifer system and contiguous hydraulically connected units, December 1974 through March 1977, in million gallons per day
[— indicates no measurable pumping; because of independent rounding, totals may not be exact sum of values.]

County	Irrigation ¹	Public supply ²	Industrial ²	Domestic ²	Total	County	Irrigation ¹	Public supply ²	Industrial ²	Domestic ²	Total
Andrews	0.0	1.7	0.0	0.0	1.7	El Paso	0.0	0.0	0.0	0.0	0.0
Brewster	0.0	0.0	0.0	0.0	0.0	Franklin	0.0	0.0	0.0	0.0	0.0
Comal	0.0	0.0	0.0	0.0	0.0	Harris	0.0	0.0	0.0	0.0	0.0
Coke	0.0	0.0	0.0	0.0	0.0	Hidalgo	0.0	0.0	0.0	0.0	0.0
Crocker	0.0	0.0	0.0	0.0	0.0	Jeff Davis	0.0	0.0	0.0	0.0	0.0
Edwards	0.0	0.0	0.0	0.0	0.0	Johnson	0.0	0.0	0.0	0.0	0.0
Garland	0.0	0.0	0.0	0.0	0.0	Kimble	0.0	0.0	0.0	0.0	0.0
Gillespie	0.0	0.0	0.0	0.0	0.0	Kinney	0.0	0.0	0.0	0.0	0.0
Gray	0.0	0.0	0.0	0.0	0.0	McMullen	0.0	0.0	0.0	0.0	0.0
Harris	0.0	0.0	0.0	0.0	0.0	Real	0.0	0.0	0.0	0.0	0.0
Hidalgo	0.0	0.0	0.0	0.0	0.0	San Antonio	0.0	0.0	0.0	0.0	0.0
Jeff Davis	0.0	0.0	0.0	0.0	0.0	Terrell	0.0	0.0	0.0	0.0	0.0
Johnson	0.0	0.0	0.0	0.0	0.0	Upton	0.0	0.0	0.0	0.0	0.0
Kimble	0.0	0.0	0.0	0.0	0.0	Ward	0.0	0.0	0.0	0.0	0.0
Kinney	0.0	0.0	0.0	0.0	0.0	Winkler	0.0	0.0	0.0	0.0	0.0
McMullen	0.0	0.0	0.0	0.0	0.0	Yamhill	0.0	0.0	0.0	0.0	0.0
Real	0.0	0.0	0.0	0.0	0.0						
San Antonio	0.0	0.0	0.0	0.0	0.0						
Terrell	0.0	0.0	0.0	0.0	0.0						
Upton	0.0	0.0	0.0	0.0	0.0						
Ward	0.0	0.0	0.0	0.0	0.0						
Winkler	0.0	0.0	0.0	0.0	0.0						
Yamhill	0.0	0.0	0.0	0.0	0.0						
Total	670	210	48	24	960						

¹ Estimated amounts.
² Withdrawals reported by Texas Water Development Board.

¹ Estimated amounts.
² Amounts reported by Texas Water Development Board.

Figure 1.—Location of study area of Edwards-Trinity Regional Aquifer-System Analysis.

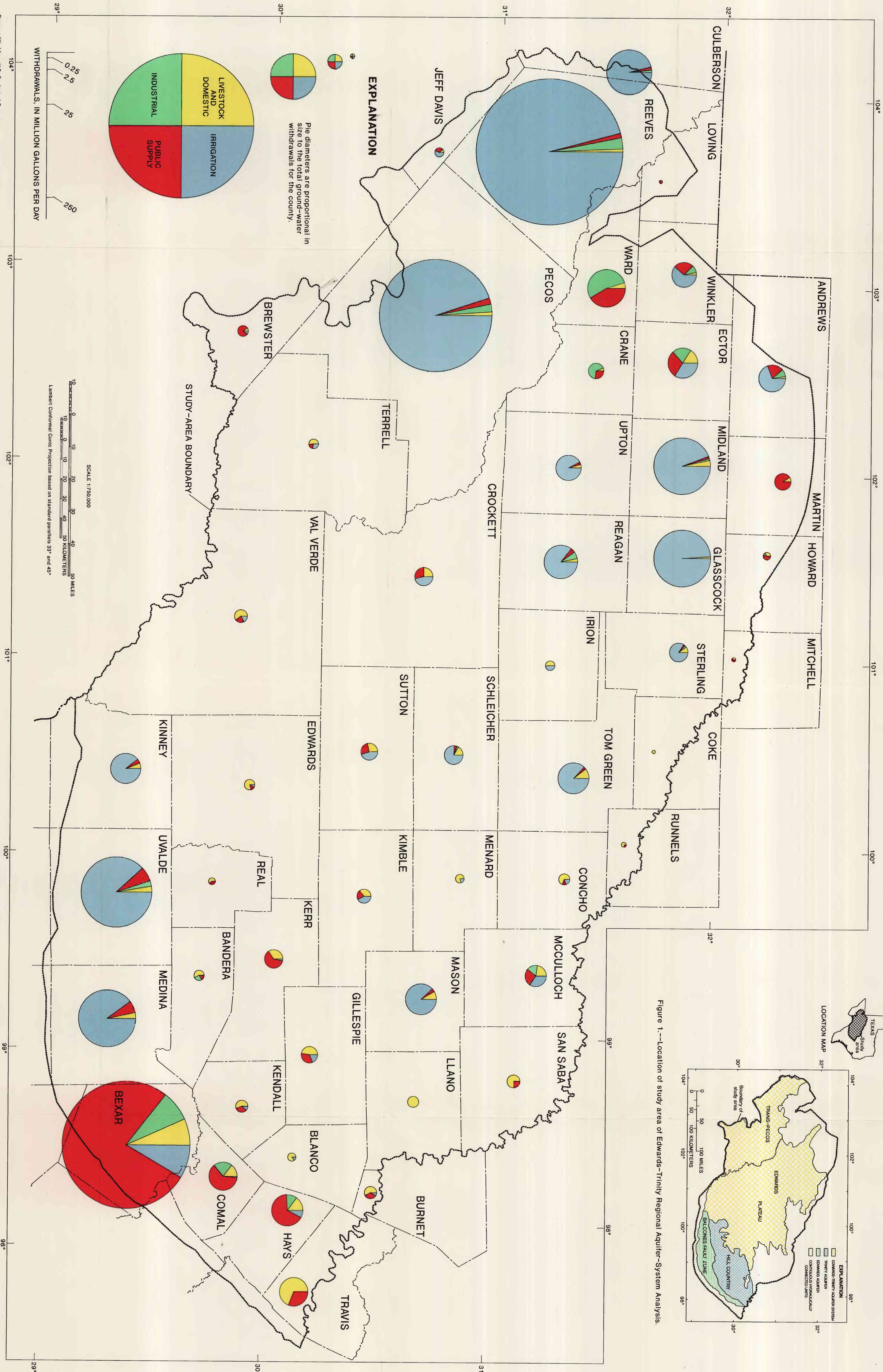


Figure 2.—Withdrawals from the Edwards-Trinity aquifer system and contiguous hydraulically connected units.

WITHDRAWALS FROM THE EDWARDS-TRINITY AQUIFER SYSTEM, AND CONTIGUOUS HYDRAULICALLY CONNECTED UNITS, WEST-CENTRAL TEXAS, DECEMBER 1974 THROUGH MARCH 1977

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